

Anna Sbrodova

Senior Lead Backend Engineer

mail@asbrodova.dev | +6281337938028 | asbrodova.dev

[LinkedIn](#) | [GitHub](#) | [Medium](#)

Indonesia (WITA / UTC+8)

B2B Readiness: Fully equipped for international remote engagement; self-managed taxation in Indonesia (WITA / UTC+8 timezone).

Professional Summary

Senior Lead Backend Engineer building resilient systems that eliminate midnight firefighting. With 12+ years of experience across Go, Java, and GCP, I offer the dual advantage of a highly autonomous individual contributor and a strategic team collaborator. I am equally effective at taking full-lifecycle ownership of a project from design to deployment, or partnering across teams to align on goals and architectural standards. My approach prioritizes proactive observability and automated hardening from the first line of code, delivering production-ready distributed systems that remain stable, transparent, and low-maintenance for the entire organization.

Core Competencies

- Primary Stack: Golang, Java, GCP (GKE, Cloud Run, Pub/Sub, BigQuery, Cloud SQL), System Design, Distributed Consistency.
- Architecture: Hexagonal Architecture, Transactional Outbox, Event-Driven Architecture, High-Load Optimization.
- Infrastructure: Terraform, Kubernetes, Docker, Eventarc.
- Observability: GCP Monitoring, Grafana, Loki, Prometheus (Proactive monitoring and structured logging).
- Tooling & Automation: MCP Protocol Integration, Infrastructure Orchestration, CI/CD Pipeline Design.
- *Engineering Philosophy: "Proactive observability and architectural hardening over reactive firefighting."*

Architectural Deep Dives

Aura Tracker GCP github.com/asbrodova/aura-tracker-gcp

- Authored a commercial-grade Model Context Protocol (MCP) server in Go, demonstrating high-load optimization and secure external system integration.
- Exposes complex GCP operations as structured tools, enabling secure orchestration of cloud infrastructure with built-in dry-run safety and strict type validation.
- Architected strictly in Go using Hexagonal Architecture to decouple the JSON-RPC communication layer from GCP SDK logic.

Professional Experience

Hands-on Technical Lead — EPAM Systems | Mar 2025 – Present

- Directed the technical roadmap and architectural integrity for a distributed unit of 10 engineers.
 - Architected and built a scalable platform from scratch, abstracting complex infrastructure for enterprise use.
 - Standardized backend development workflows to shift focus from boilerplate code to architectural perfection and production hardening.
 - Balanced independent technical execution with collaborative leadership, bridging gaps between engineering and cross-functional units to align on goals and ensure architectural standards.
- Tech: Golang, GCP, Terraform, Cloud Run, Pub/Sub, BigQuery, GKE, Kubernetes.*

Team Lead / Senior Backend Engineer — EPAM Systems | May 2023 – Mar 2025

- Acted as a software engineer for high-stakes microservices while simultaneously translating complex requirements into maintainable, high-load architectures in Go and GCP.
 - Balanced deep-focus backend development with technical team leadership, ensuring both architectural excellence and a healthy, collaborative team atmosphere.
 - Fostered a resilient team environment by mentoring engineers and proactively managing interpersonal dynamics to maintain a high-trust, high-velocity culture.
- Tech: Golang, GCP, Terraform, PostgreSQL, Redis, Grafana, Loki, Docker.*

Senior Software Engineer — Mano Mano | Feb 2022 – Apr 2023

- Achieved High-Load Optimization by refactoring legacy queries and optimizing Golang services to maintain sub-second latency for thousands of concurrent users during peak e-commerce events.

Tech: Golang, GCP, Spring Boot, Kafka, Redis, MongoDB.

Senior Software Engineer (Java / Enterprise Integration) — IBA (Client: Hapag Lloyd) | Dec 2019 – Dec 2021

- Engineered complex enterprise logistics applications and managed asynchronous interaction via IBM MQ.

Tech: Java SE/EE 8+, DB2, IBM MQ.

Senior RPA Developer — Standard Bank (South Africa) | Feb 2018 – Dec 2019

- Developed Java-based automation projects from scratch to production within 2-3 month cycles.

Tech: Java, Groovy, Workfusion SPA, MS SQL.

RPA Developer — WF-TESSI | Mar 2017 – Feb 2018

- Integrated Machine Learning and OCR (ABBYY) into legacy system workflows.

Tech: Java, Groovy, PostgreSQL.

Early Career (2014 – 2017) — Standard Bank & IBM

- Junior to Mid-Level Full-stack development for Corporate Banking and legacy enterprise systems.

Tech: Java, Spring, Oracle DB, DB2.

Education

Belarussian State University | 2009–2014

- Master's Degree, Mechanics and Mathematics Faculty

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